Universal Microwave Components Corp.
5702-D General Washington Drive Alexandria, VA 22312 <> Web: www.umcc111.com
E-mail: sales@umcc111.com <> Tel: (703) 642-6332 <> Fax: (703) 642-2568

Model: SR-AV0H-TS

Description:		Solid-State, High Power, Transfer-Switch
Operating Frequency:		250 – 1250 MHz
Insertion Loss:		0.5 dB Max
Isolation:		32dB Min
VSWR ("ON" paths):		1.2:1 Max
Rise/Fall time (10% to 90% RF, 90% to 10% RF):		450 ns Max
On/Off time (50% TTL to 90% RF, 50%TTL to 10% RF):		650 ns Max
Switching Frequency:		100KHz Max
{ note: Permanent damage may result if Switching Frequency exceeds 100KHz Max limit }		
Operating Power:	CW&AVG	+43dBm (20W) Max / Hot Switching
	Peak:	+50 dBm (100W) @ 1µS PW Max
{ note: Power ratings are based upon proper thermal management (Unit would require proper Heat Sinking) }		
Control Input Characteristics:		TTL /Unit-Load, 1-Control / Floating-High
Control Logic:		Logic "1" = RF Path J1 to J2 & J3 to J4
		Logic "0" = RF Path J1 to J4 & J3 to J2
Power Supplies:	+5(±0.25)V @ 230mA Max (Static); 270mA Max (Dynamic)	
	-15(±0.5)V @ 40mA Max (Static); 80mA Max (Dynamic)	
Connectors (RF):		SMA (f), Removable
Connectors (Supplies/Controls)		Solder Pins
Impedance:		50 Ohms Nominal
Quality:		Best-Commercial-Grade

Environmental Ratings:

Temperature:	{Operating: -55°C to +95°C} & {Storage: -60°C to +110°C}
Humidity:	MIL-STD-202F, Method 103B, Cond. B (96 hours at 95% R.H.)
Shock:	MIL-STD-202F, Method 213B, Cond. B (75G, 6mSec)
Vibration:	MIL-STD-202F, Method 204D, Cond. B (.06" double amplitude, or 15G)
Altitude:	MIL-STD-202F, Method 105C, Cond. B (50,000 Feet)
Temp. Shock:	MIL-STD-202F, Method 107D, Cond. A (5 cycles)

Available Options:

(Units with listed options here may be subject to some specification tradeoffs from the standard, consult factory)

■ ***RF Connectors***
- **B1** [J1 & J3 Ports with SMA(M)]
- **B2** [All SMA (M)]
- **B3** [J2 & J4 Ports with SMA(M)]

■ ***Control Impedance***
- **D1** [50Ω, Internally Terminated]

■ ***Control Function***
- **F1** [Inverse Logic]

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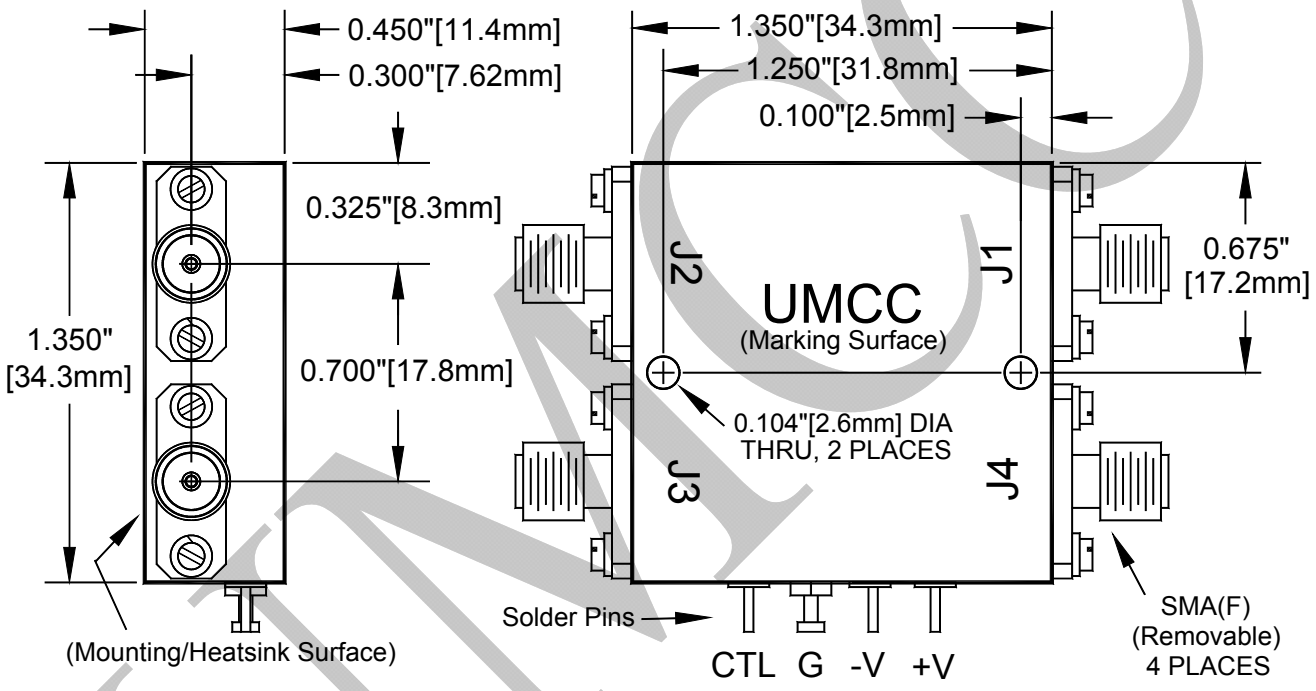
Outline



Weight	Tolerances
1.3 oz [36.9g]	±0.015" [±0.38mm]